

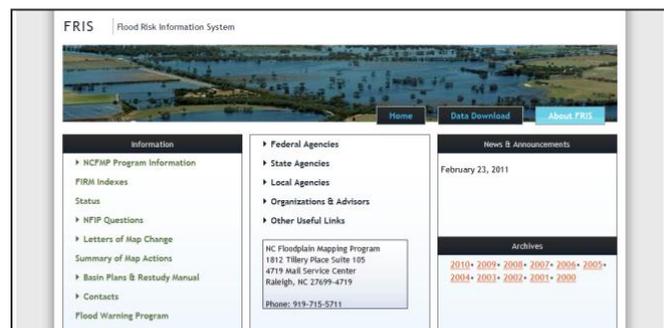
Introduction

As part of the Digital Display Environment and Map Maintenance Initiatives, the North Carolina Floodplain Mapping Program (NCFMP) created a website to disseminate information to mapping partners and the public. The website, Flood Risk Information System (FRIS) <http://fris.nc.gov/fris/> contains digitally accessible flood hazard and risk data that are database driven, allowing for print-on-demand products such as flood maps and Flood Insurance Studies (FIS). The website, shown on the right, also provides geospatial base map data, imagery, LiDAR data (topographic data), along with hydraulic and hydrologic models that will be available for download and use.

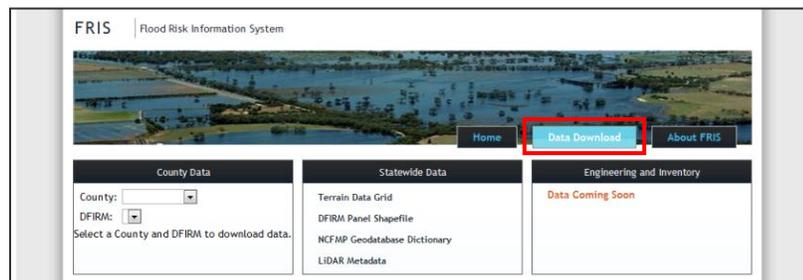
Program reports, issue papers, river basin restudy information, outreach/education materials, information



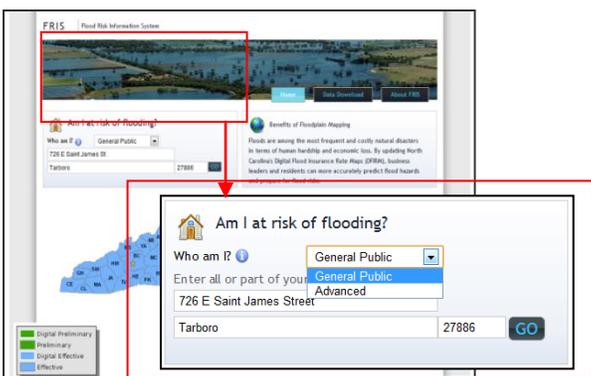
regarding the NCFMP and the National Flood Insurance Program, statewide mapping status, Letters of Map Change, Summary of Map Actions, and NCFMP Contacts are all found under the **About FRIS** link on the main page shown at left. There is also a News and Announcements section and website links to other local, state, and national agencies.

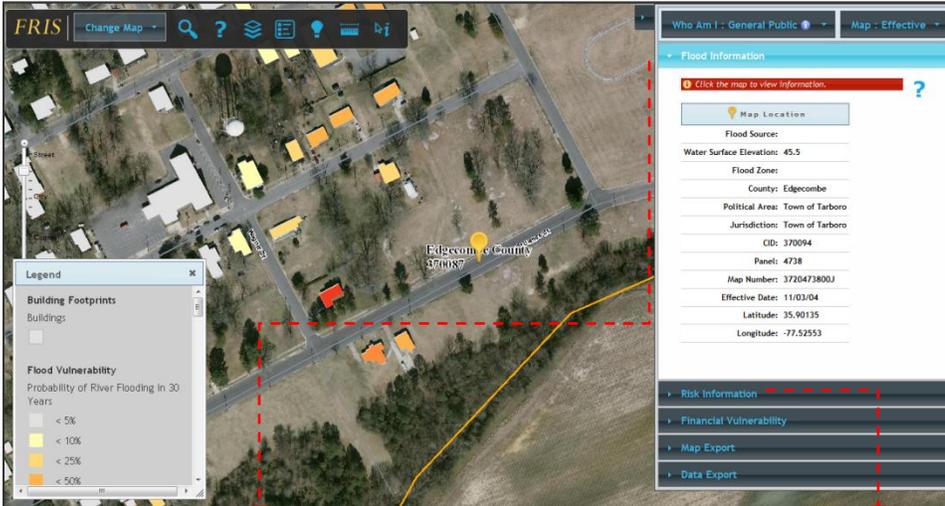


Shown at right is the **Data Download** tab in the FRIS webpage. County data such as the effective database, LiDAR, imagery, and other flood hazard data can be downloaded for use. In addition, field survey and flood study modeling will also be accessible.

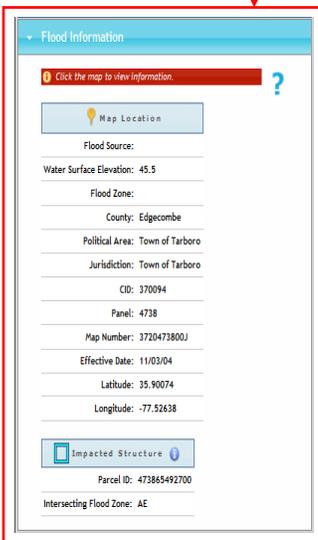


The FRIS website presents information targeted to two audiences: the general public and advanced users. The general public can identify the level of flood risk and estimated damage losses associated with their property. By typing in their address, users can locate their property and view the flood hazard and risk information associated with it such as the flooding source, the flood event water surface elevation, and the flood zone, if applicable. Advanced users, such as floodplain managers and government officials, will have the opportunity to download flood hazard data while also being able to identify levels of flood risk for buildings in the community.

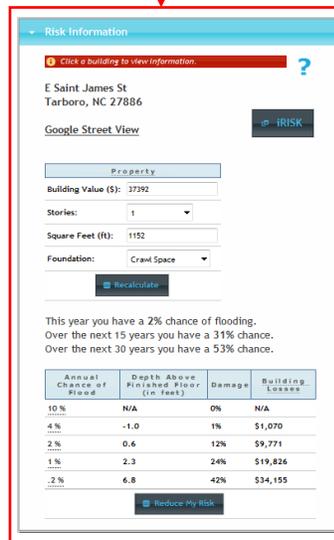




Shown on the left is an example of a search in Edgecombe County, selected by the general public. Using the Address Lookup on the main FRIS webpage, a user can view a structure's relationship to the floodplain and learn of its associated financial vulnerability. Using the FRIS toolbar in the top left of the page, a user can select the type of map, add layers to the map, add a map legend, measure distances, and identify flood hazard features such as flood zones, cross sections, panel numbers, hydraulic structures, and major roads.

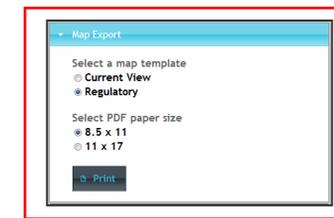
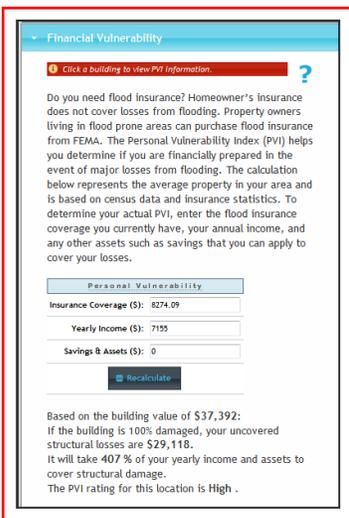


In the Flood Information tab, FRIS provides the flooding source, base flood elevation, flood zone, county, political area, panel number, and effective date for the property address entered by a user. If a user clicks on a specific structure, the Parcel ID and the intersecting flood zone are also provided.

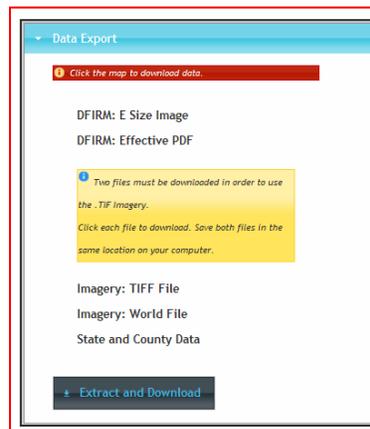


The Risk Information tab provides property specific information such as the building's value, number of stories, square footage, and foundation type. The tab then provides the user with the property's percent annual chance of flooding in any given year and the estimated losses associated with each flood event scenario.

The Financial Vulnerability tab allows a user to calculate personal vulnerability. A user can enter the amount of flood insurance coverage on the structure, their annual income, and other assets they can apply to cover losses. Using the building's value and estimated relocation and contents costs, FRIS calculates flood losses and estimates the impact to a user's finances.



In the Map Export tab, a user can choose the map template and the paper size of the print-on-demand flood map that can be created for the property researched by a user.



In the Data Export tab, a user is able to extract and download imagery, state and county data, and the current effective FIRM PDF map panel for the location of the property address entered.